

Air Quality in Montana



AIR RESOURCES MANAGEMENT BUREAU
Montana Department of Environmental Quality



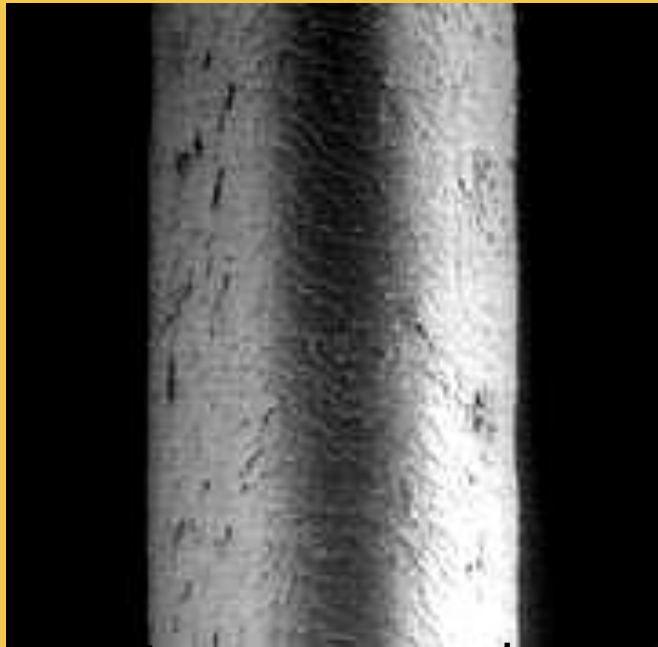
SUGAR FACTORY

BILLINGS MONT.



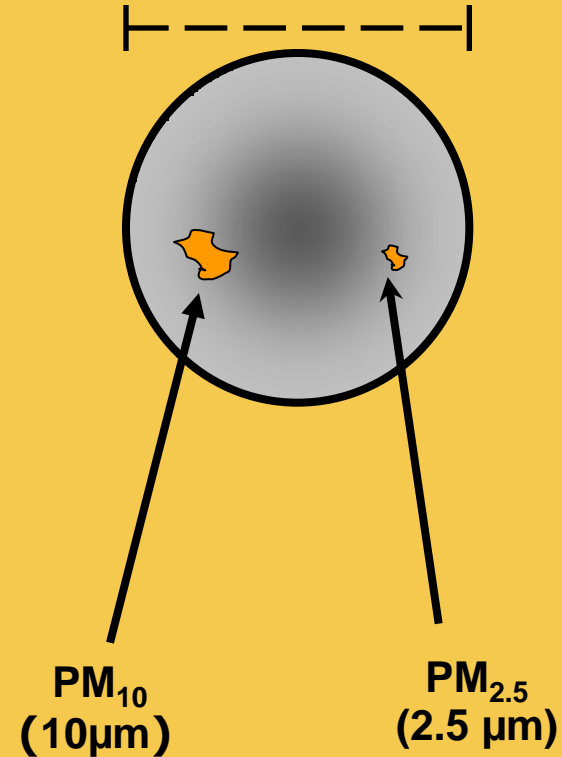
What is air pollution?

Particulate matter: Extremely small particles and drops of liquid in the air



Human Hair (70 μm diameter)

Hair cross section (70 μm)



U.S. Clean Air Act



U. S. Clean Air Act - contents

- **National Ambient Air Quality Standards**
 - **Air pollution permit programs**
 - **Toxic Air Pollutants**
 - **Visibility Protection**
 - **Compliance / Enforcement**
- 

Clean Air Act of Montana



Clean Air Act of MT - contents

- **Board of Environmental Review (Board)**
- **Department of Environmental Quality**
- **Montana Ambient Air Quality Standards**
- **Emission standards**
- **Local air pollution control programs**
- **Compliance / Enforcement**



Congress Tells States:

- **Research & plan**
- **Monitor air quality**
- **Adopt and enforce rules**



Legislature Tells Board:
Adopt rules to control statewide air pollution

Board Allows Local Governments:
To adopt rules to control local air pollution



U.S.A.

EPA

**Federal Register
&
Code of
Federal Rules**

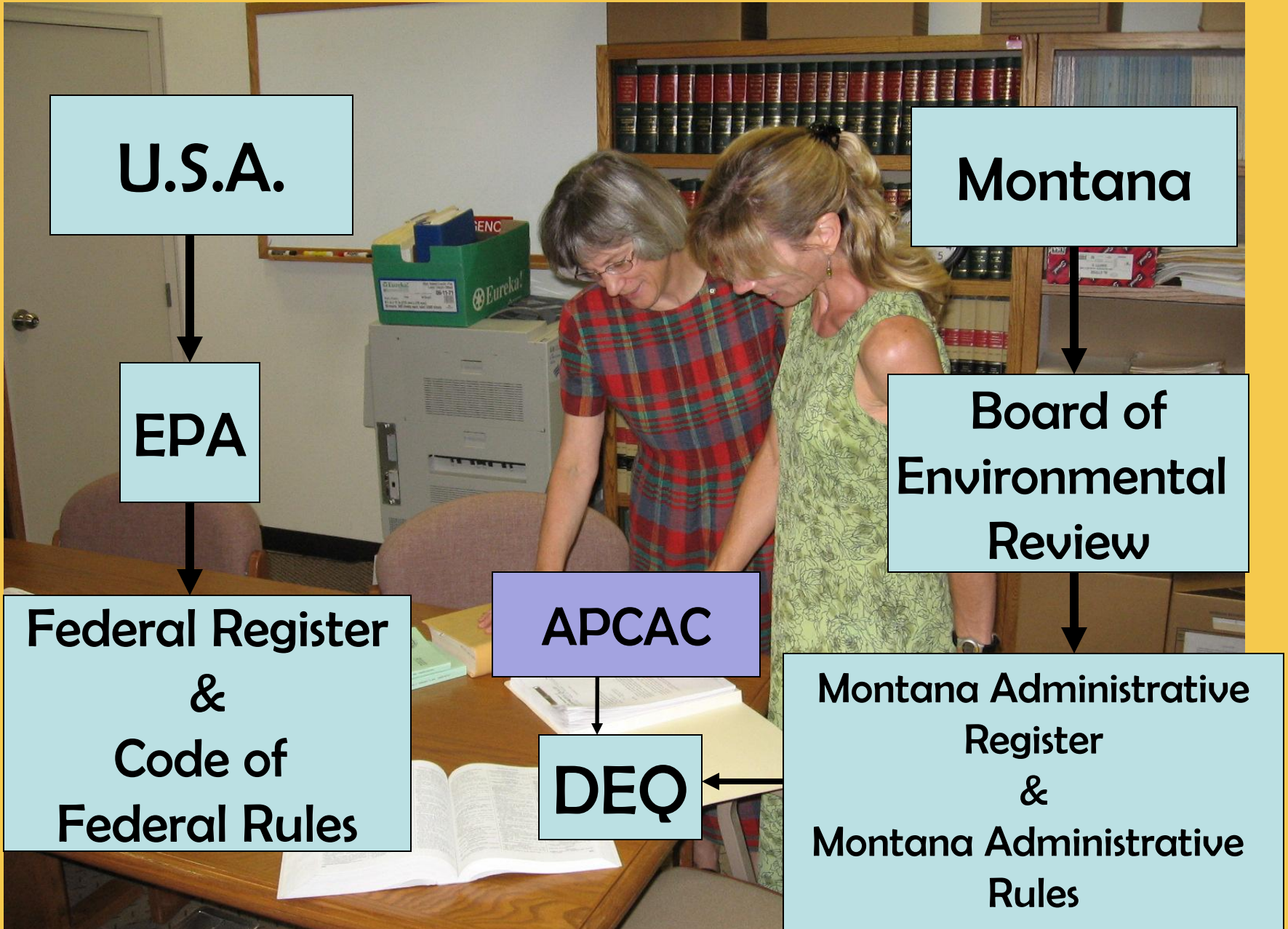
Montana

**Board of
Environmental
Review**

**Montana Administrative
Register
&
Montana Administrative
Rules**

APCAC

DEQ



WHAT WE DO

Air Resources Management Bureau



Visibility Protection



**Residential Wood
Combustion**



**Stationary Source
Permitting**

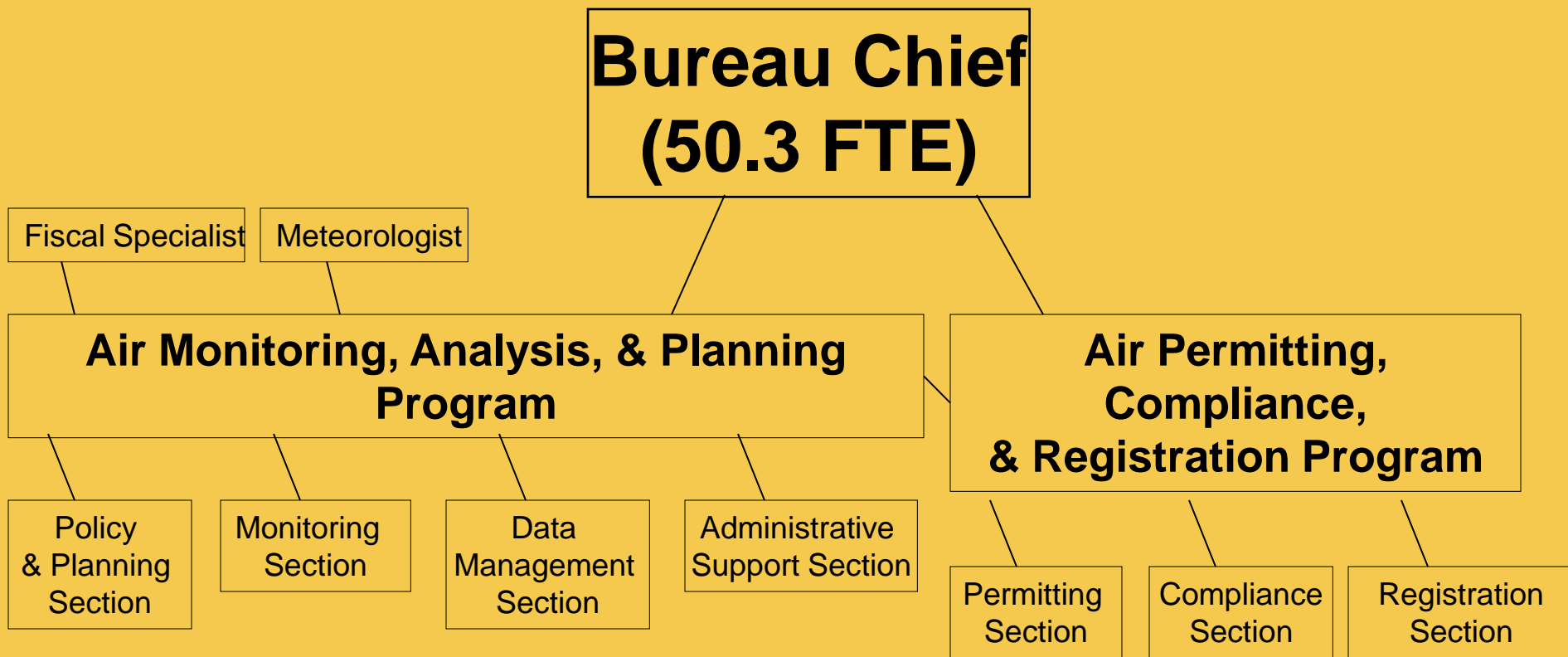


Open Burning



Source Inspection

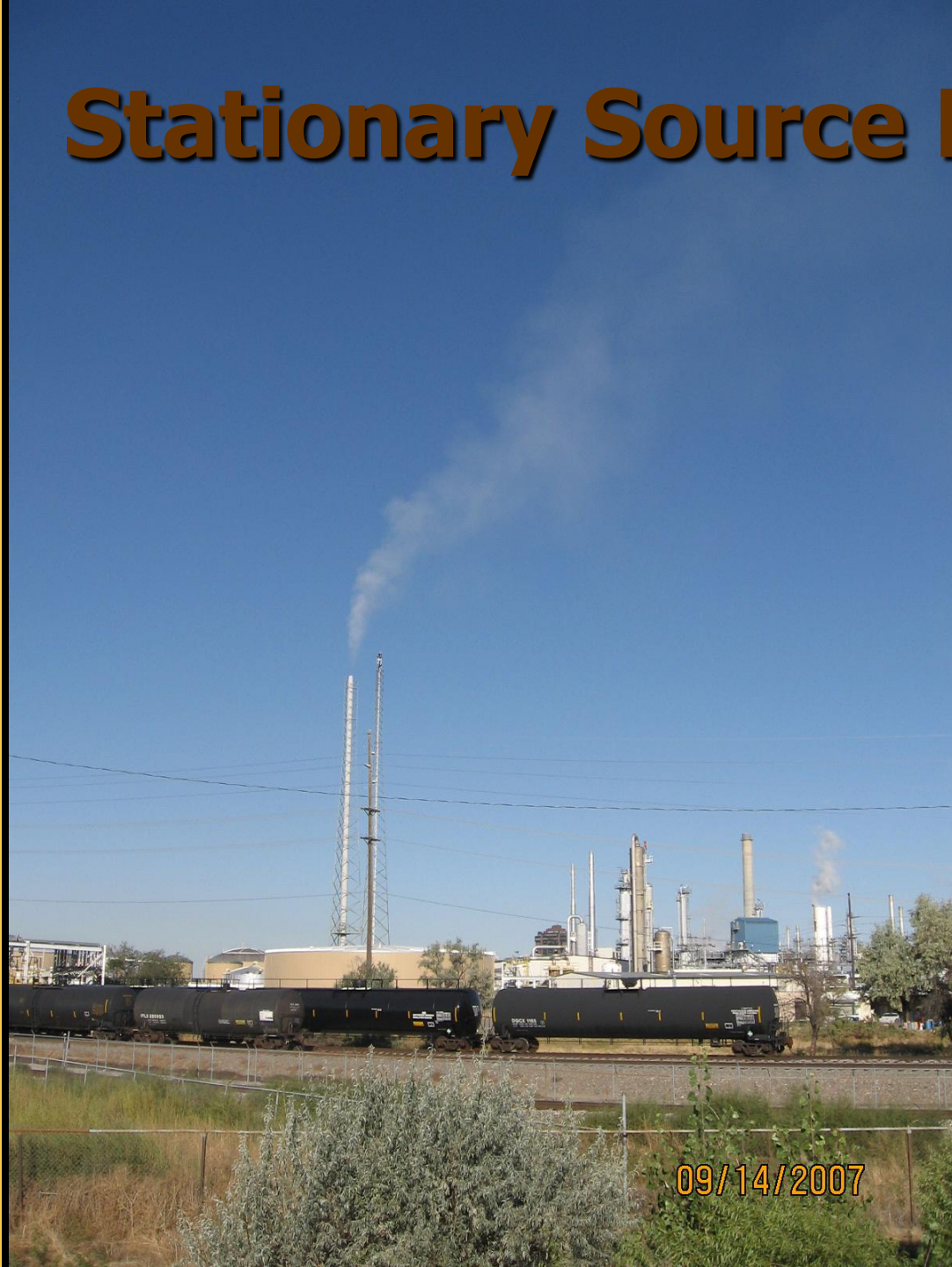
AIR RESOURCES MANAGEMENT BUREAU



Stationary Source Regulation

Major Source Permits

- PSD/NSR
- Title V
- Acid Rain



09/14/2007

Stationary source Regulation



Minor Source Permits

- Montana Air Quality Permits
- Mercury regulations

Other Source Regulations



Minor Sources
Oil and gas registration

Other Source Regulations



Major open burning permits

Compliance & Enforcement



Projects, Planning, Rulemaking



Air Quality Monitoring



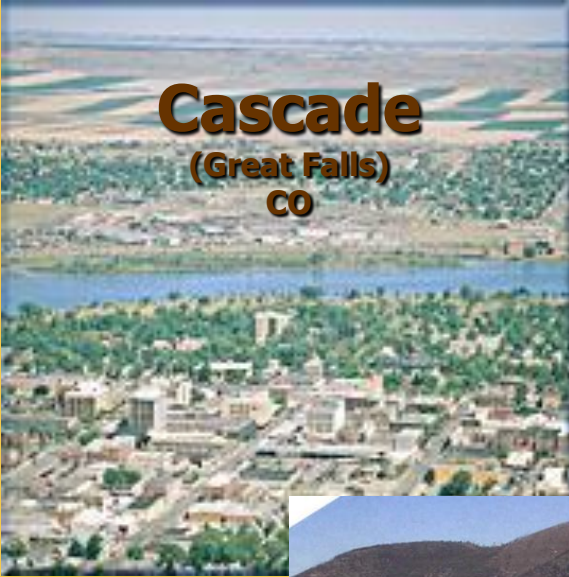




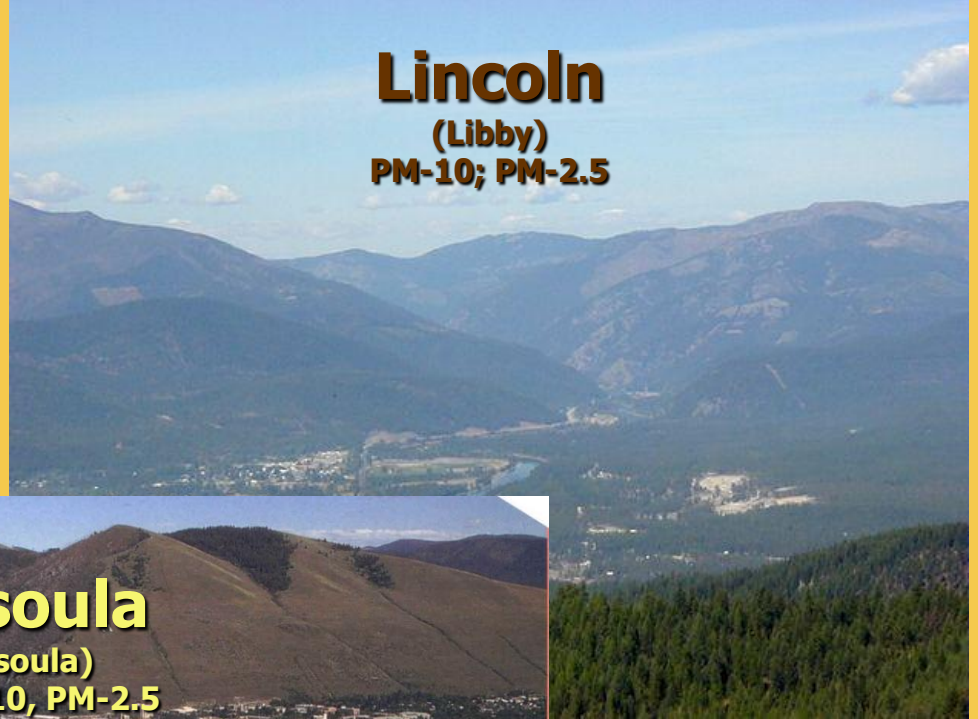
Ambient Air Quality and the State Implementation Plan

County Programs

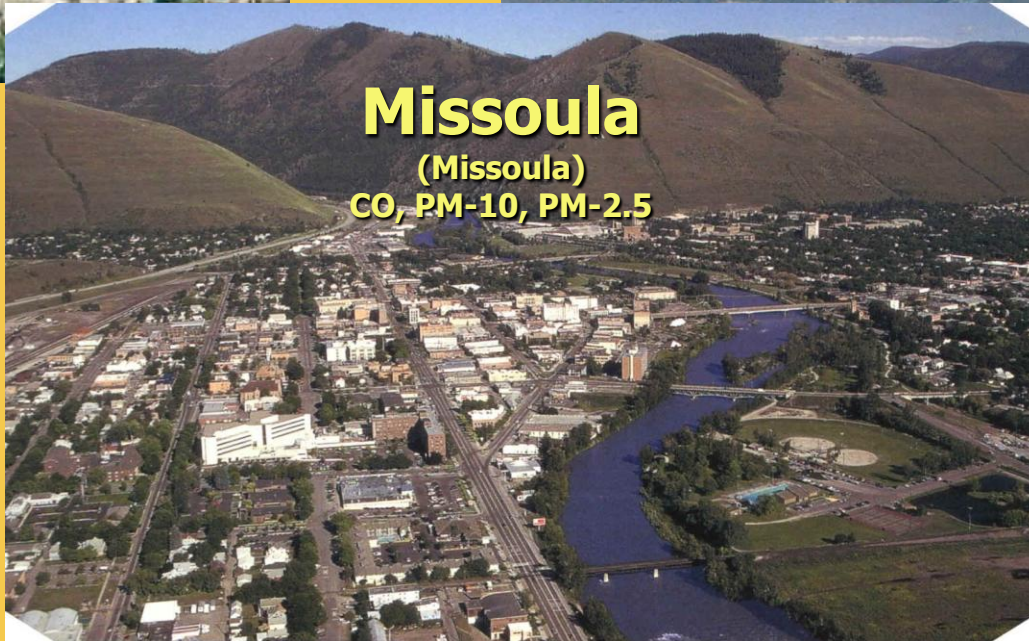
Cascade
(Great Falls)
CO



Lincoln
(Libby)
PM-10; PM-2.5



Missoula
(Missoula)
CO, PM-10, PM-2.5



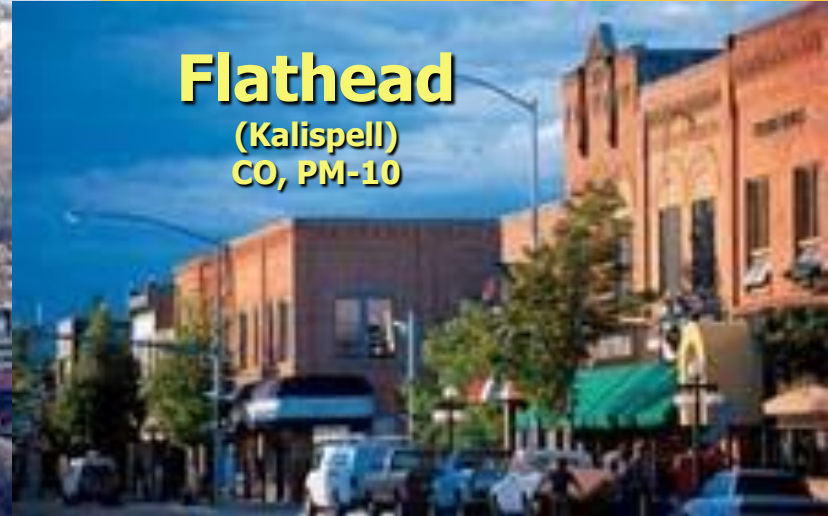
Yellowstone

(Billings)
CO, SO₂



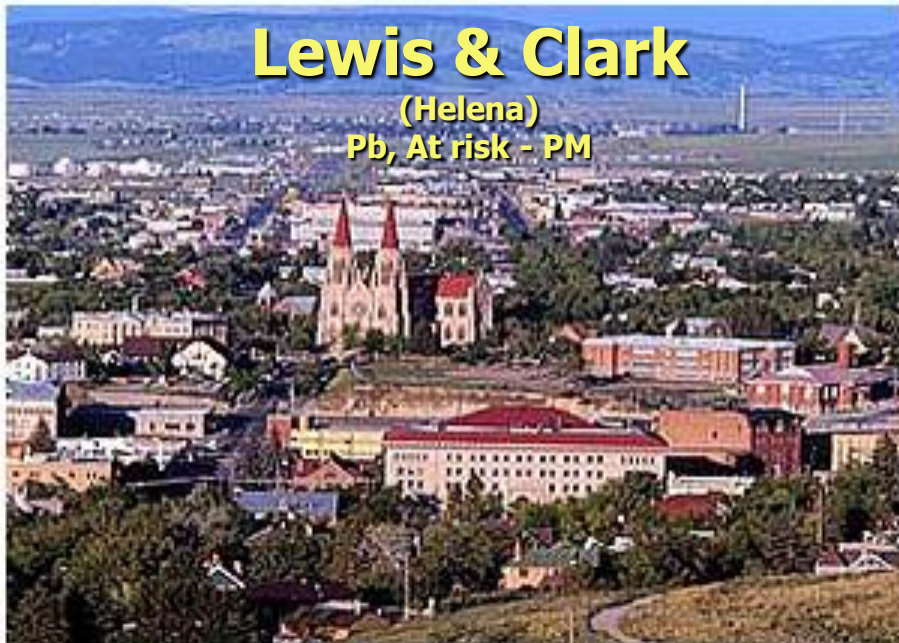
Flathead

(Kalispell)
CO, PM-10



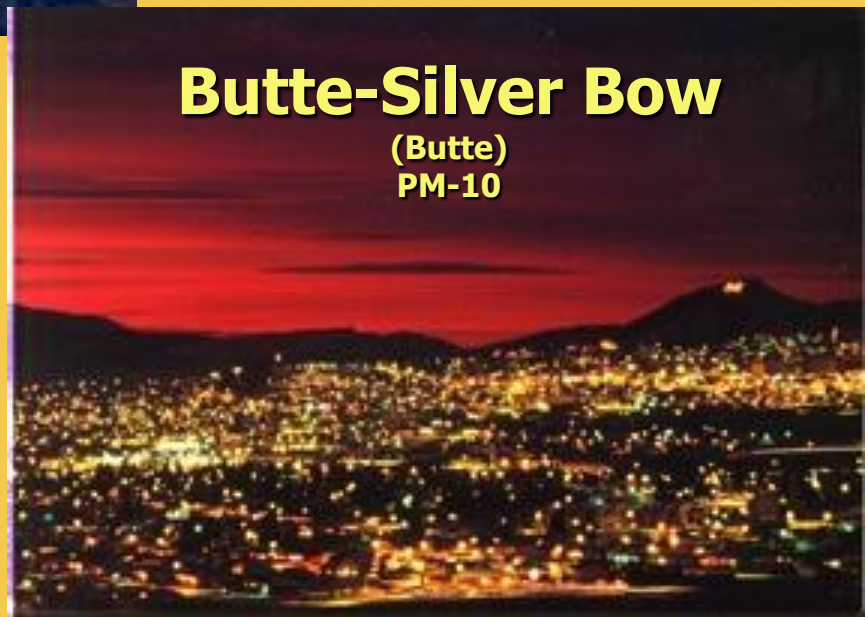
Lewis & Clark

(Helena)
Pb, At risk - PM



Butte-Silver Bow

(Butte)
PM-10



The Future





Wood combustion

1911



2000

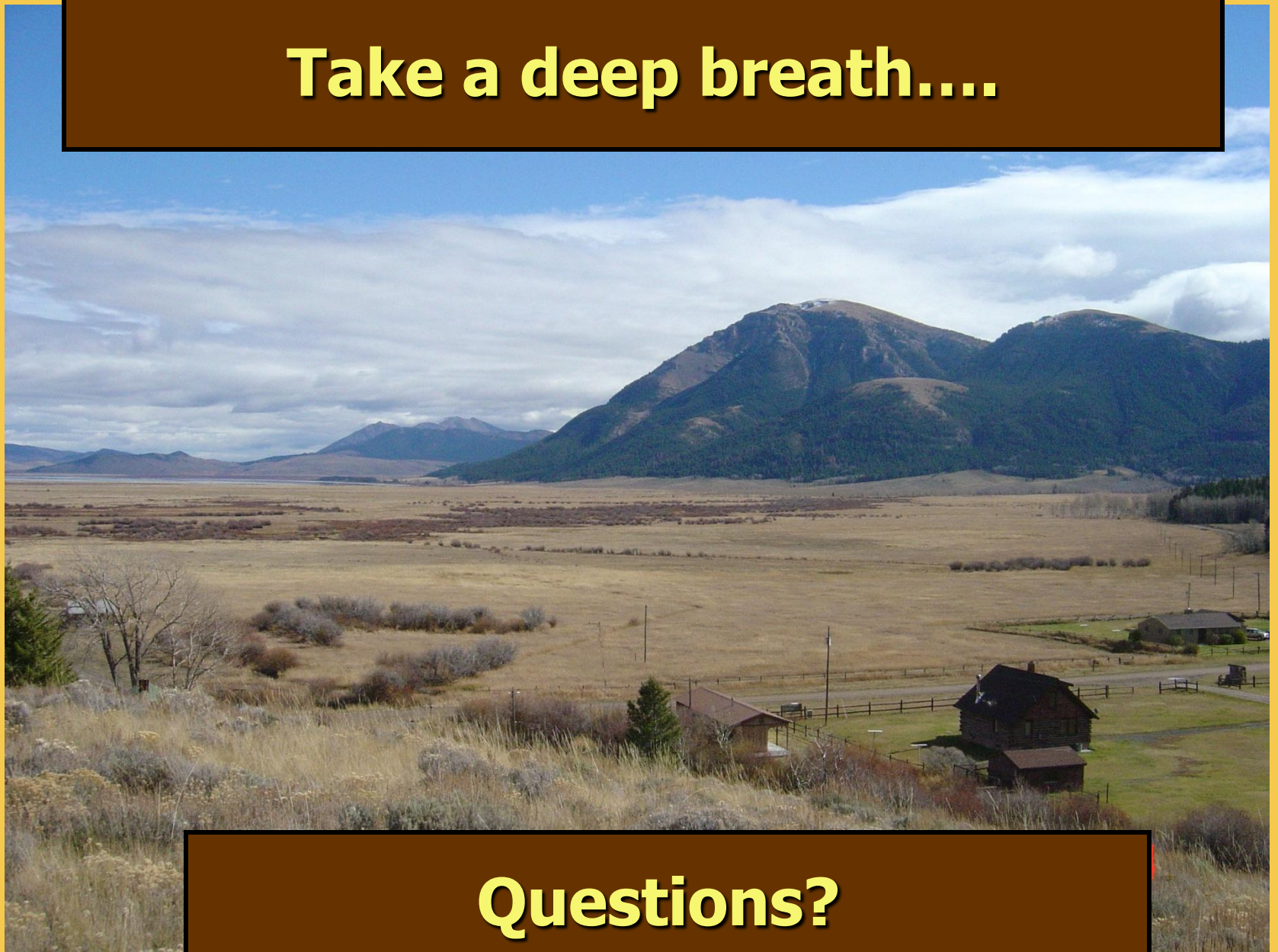


Climate Change and Greenhouse Gases



Hazardous Air Pollution

Take a deep breath....



Questions?